```
=> file registry
COST IN U.S. DOLLARS                               SINCE FILE      TOTAL
                                                     ENTRY        SESSION
FULL ESTIMATED COST                                   0.21         0.21


FILE 'REGISTRY' ENTERED AT 16:02:11 ON 01 FEB 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:    31 JAN 2008   HIGHEST RN 1001228-41-6
DICTIONARY FILE UPDATES:   31 JAN 2008   HIGHEST RN 1001228-41-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007


   Please note that search-term pricing does apply when
   conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html


=>
Uploading C:\Program Files\Stnexp\Queries\10627994broad.str
```
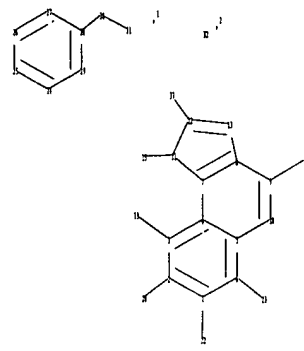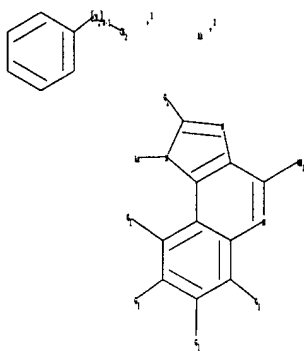
```
chain nodes :
14   15   19   20   22   23   30   31   32   37
ring nodes :
1    2    3    4    5    6    7    8    9    10   11   12   13   24   25   26   27   28   29
chain bonds :
1-22   2-20   3-19   6-23   9-14   11-15   12-37   28-30   30-31
ring bonds :
1-2   1-6   2-3   3-4   4-5   4-7   5-6   5-10   7-8   7-11   8-9   8-13   9-10   11-12   12-13
24-25   24-29   25-26   26-27   27-28   28-29
exact/norm bonds :
1-22   2-20   3-19   6-23   7-11   8-13   9-14   11-12   11-15   12-13   12-37
exact bonds :
28-30   30-31
normalized bonds :
1-2   1-6   2-3   3-4   4-5   4-7   5-6   5-10   7-8   8-9   9-10   24-25   24-29   25-26   26-27
27-28   28-29
```

G1:H,Cl,Br,F,I,CH3,Et,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu,MeO,EtO,i-PrO,n-BuO,i-BuO,s-BuO,t-BuO

G2:H,Ph,[*1],[*2]

Connectivity :
15:1 X maximum RC ring/chain   32:0 E exact RC ring/chain
Match level :
1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:Atom   10:Atom
11:Atom   12:Atom   13:Atom   14:CLASS   15:CLASS   19:CLASS   20:CLASS   22:CLASS
23:CLASS   24:Atom   25:Atom
26:Atom   27:Atom   28:Atom   29:Atom   30:CLASS   31:CLASS   32:CLASS   37:CLASS
Generic attributes :
15:
Saturation   : Saturated
Number of Carbon Atoms : 7 or more
32:
Saturation   : Saturated

Element Count :
Node 15: Limited
    C,C1-10

Node 32: Limited
    C,C1-10

L1   STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1   STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 16:02:51 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   554 TO ITERATE

100.0% PROCESSED   554 ITERATIONS   0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE   **COMPLETE**
                         BATCH   **COMPLETE**
PROJECTED ITERATIONS: 9668 TO   12492
PROJECTED ANSWERS: 0 TO   0

L2   0 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 16:03:10 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   11522 TO ITERATE
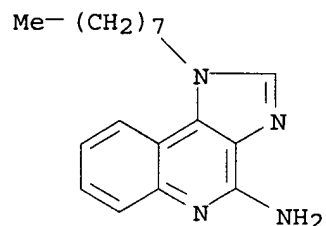
100.0% PROCESSED   11522 ITERATIONS   2 ANSWERS
SEARCH TIME: 00.00.01

L3   2 SEA SSS FUL L1

=> d l3 scan
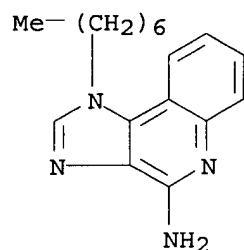
L3   2 ANSWERS   REGISTRY   COPYRIGHT 2008 ACS on STN

IN   1H-Imidazo[4,5-c]quinolin-4-amine, 1-octyl-
MF   · C18 H24 N4

Me—(CH2)7
      \
       N
        \
         N
4-amine ... NH2

(structure)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

L3   2 ANSWERS   REGISTRY   COPYRIGHT 2008 ACS on STN
IN   1H-Imidazo[4,5-c]quinolin-4-amine, 1-heptyl-
MF   C17 H22 N4

Me—(CH2)6
      \
       N
        \
N   N
    NH2

(structure)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> s imiquimod/cn
L4   1 IMIQUIMOD/CN

=> d l4

L4   ANSWER 1 OF 1   REGISTRY   COPYRIGHT 2008 ACS on STN
RN   99011-02-6   REGISTRY
ED   Entered STN: 09 Nov 1985
CN   1H-Imidazo[4,5-c]quinolin-4-amine, 1-(2-methylpropyl)-   (CA INDEX NAME)
OTHER NAMES:
CN   Aldara
CN   Imiquimod
CN   R 837
CN   S 26308
MF   C14 H16 N4
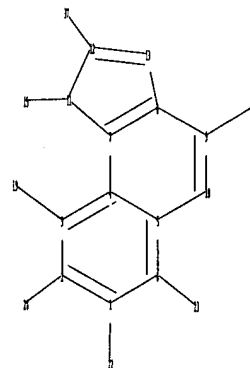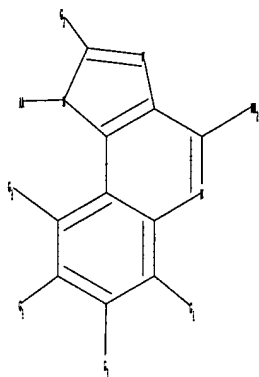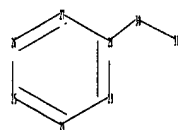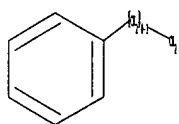CI   COM
SR   CA

LC   STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO,
         CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CIN, CSCHEM, DDFU, DRUGU, EMBASE,
         IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*, PATDPASPC,
         PHAR, PROMT, PROUSDDR, PS, RTECS*, SYNTHLINE, TOXCENTER, USAN, USPAT2,
         USPATFULL
            (*File contains numerically searchable property data)
         Other Sources: WHO
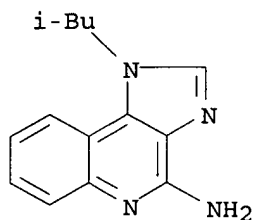
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

         528 REFERENCES IN FILE CA (1907 TO DATE)
           9 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
         535 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>
Uploading C:\Program Files\Stnexp\Queries\10627994broad2.str

chain nodes :
14 15 19 20 22 23 30 31 32 37
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 24 25 26 27 28 29
chain bonds :
1-22 2-20 3-19 6-23 9-14 11-15 12-37 28-30 30-31
ring bonds :
1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-10 7-8 7-11 8-9 8-13 9-10 11-12 12-13
24-25 24-29 25-26 26-27 27-28 28-29
exact/norm bonds :
1-22 2-20 3-19 6-23 7-11 8-13 9-14 11-12 11-15 12-13 12-37
exact bonds :
28-30 30-31
normalized bonds :
1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-10 7-8 8-9 9-10 24-25 24-29 25-26 26-27
27-28 28-29

G1:H,Cl,Br,F,I,CH3,Et,n-Pr,i-Pr,n-Bu,i-Bu,s-Bu,t-Bu,MeO,EtO,i-PrO,n-BuO,i-BuO,s-
BuO,t-BuO

G2:H,Ph,[*1],[*2]

Connectivity :
15:1 X maximum RC ring/chain   32:0 E exact RC ring/chain

```
Match level :
1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:Atom   7:Atom   8:Atom   9:Atom   10:Atom
11:Atom  12:Atom  13:Atom  14:CLASS  15:CLASS  19:CLASS  20:CLASS  22:CLASS
23:CLASS  24:Atom  25:Atom
26:Atom  27:Atom  28:Atom  29:Atom  30:CLASS  31:CLASS  32:CLASS  37:CLASS
Generic attributes :
15:
Saturation              : Saturated
32:
Saturation              : Saturated

Element Count :
Node 15: Limited
    C,C1-10

Node 32: Limited
    C,C1-10
```

L5   STRUCTURE UPLOADED

```
=> s l5
SAMPLE SEARCH INITIATED 16:04:54 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      554 TO ITERATE

100.0% PROCESSED      554 ITERATIONS                         4 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:   ONLINE  **COMPLETE**
                         BATCH   **COMPLETE**
PROJECTED ITERATIONS:       9668 TO    12492
PROJECTED ANSWERS:             4 TO      200

L6             4 SEA SSS SAM L5

=> d l6 scan

L6   4 ANSWERS   REGISTRY   COPYRIGHT 2008 ACS on STN
IN   1H-Imidazo[4,5-c]quinolin-4-amine, 1-hexyl-, monohydrochloride (9CI)
MF   C16 H20 N4 . Cl H
```
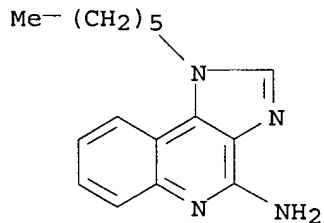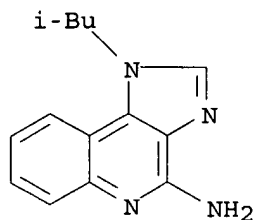

● HCl

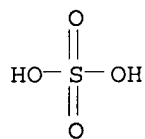**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

L6   4 ANSWERS   REGISTRY   COPYRIGHT 2008 ACS on STN
IN   1H-Imidazo[4,5-c]quinolin-4-amine, 1-(2-methylpropyl)-, sulfate (1:1)
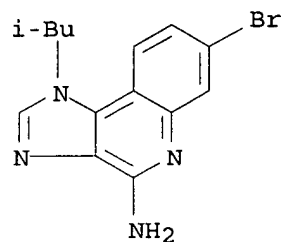MF   C14 H16 N4 . H2 O4 S

      CM   1

      CM   2

L6   4 ANSWERS   REGISTRY   COPYRIGHT 2008 ACS on STN
IN   1H-Imidazo[4,5-c]quinolin-4-amine, 7-bromo-1-(2-methylpropyl)-
MF   C14 H15 Br N4

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6   4 ANSWERS   REGISTRY   COPYRIGHT 2008 ACS on STN
IN   1H-Imidazo[4,5-c]quinolin-4-amine, 8-bromo-1-(2-methylpropyl)-
MF   C14 H15 Br N4